

## Alternative 3C—Additions-Alterations to Treatment Building (Liquid Treatment)

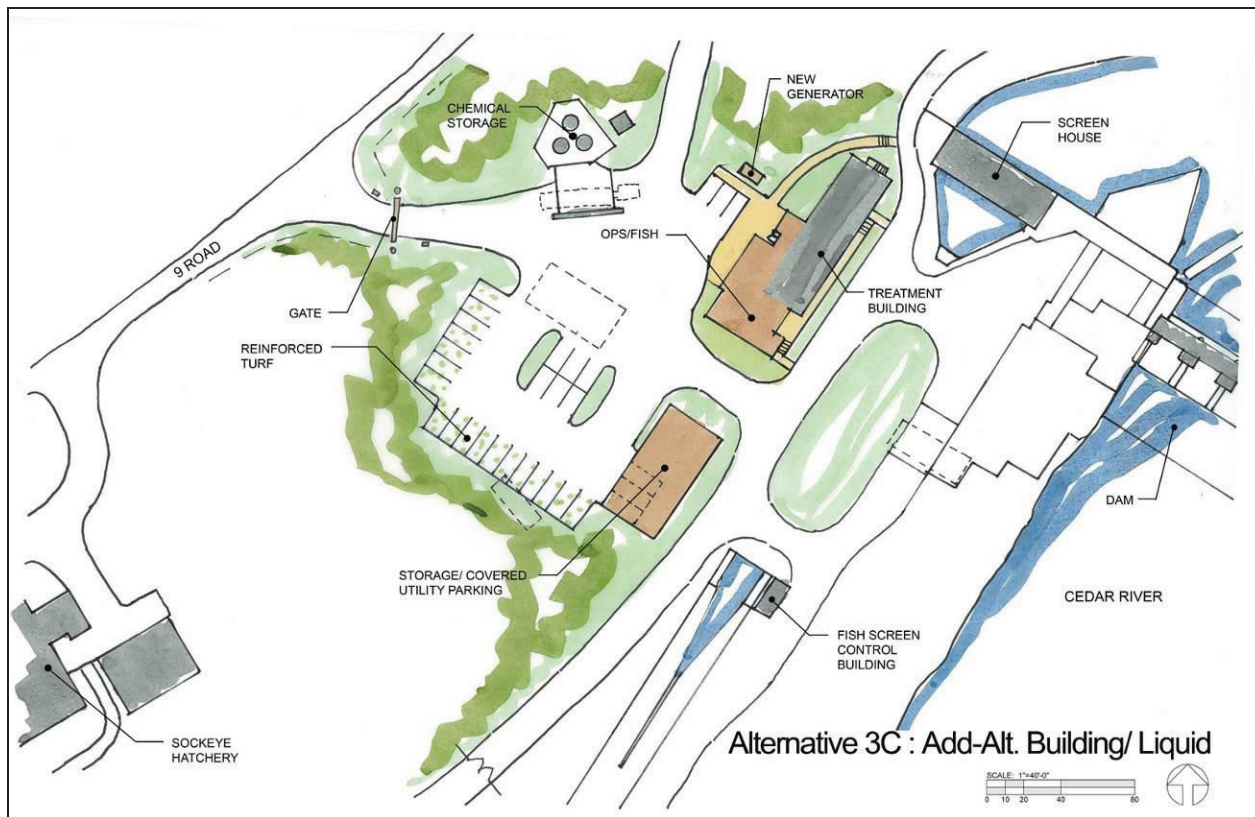


Figure 9-9. Preliminary Alternative 3C

This alternative consists of the following:

- Retain chemical storage facility platform
- Remove green garage
- Retain screen house
- Retain, renovate and expand treatment building
- Fish program and operations located in treatment building addition
- Structured formal parking lot
- Separate storage and covered parking structure adjacent to parking lot
- Drive to dam located south of treatment building addition.

## REVISED CONCEPTUAL ALTERNATIVES

Three revised conceptual plans were developed from the preliminary alternatives, based on input from the executive steering committee. After these revised concepts were developed, Water Quality recommended that treatment using chlorine gas at Landsburg be replaced by a sodium hypochlorite (liquid) process. Water Quality also expressed an interest in preserving the current gas cylinder storage area platform for possible storage of liquid chlorine tanks.

Because all of the alternative plans associated with a liquid chlorine treatment process had identified this storage area for office use, these plans were not viable. A decision was made to alter the revised plan associated with gas treatment. Since this plan did not provide for a change of use at the platform area, it was altered to become the scheme associated with liquid chlorine treatment. As a result, two alternative plans emerged for further development and pricing.

## Alternative A—New Consolidated Building



Figure 9-10. Revised Alternative A

This alternative consists of the following:

- Retain chemical storage facility platforms at both entry and treatment building
- Retain screen house—possible renovation, use roof for photovoltaic panels
- Compact circulation and parking
- Relocate green garage
- Add new two-story consolidated facility for fish program, operations, storage and covered parking
- New ops/fish facility located immediately adjacent to treatment building
- Storage and covered parking located under new ops/fish facility
- Drive to dam located south of new ops/fish facility.

## Alternative B—Additions and Alterations to Treatment Building

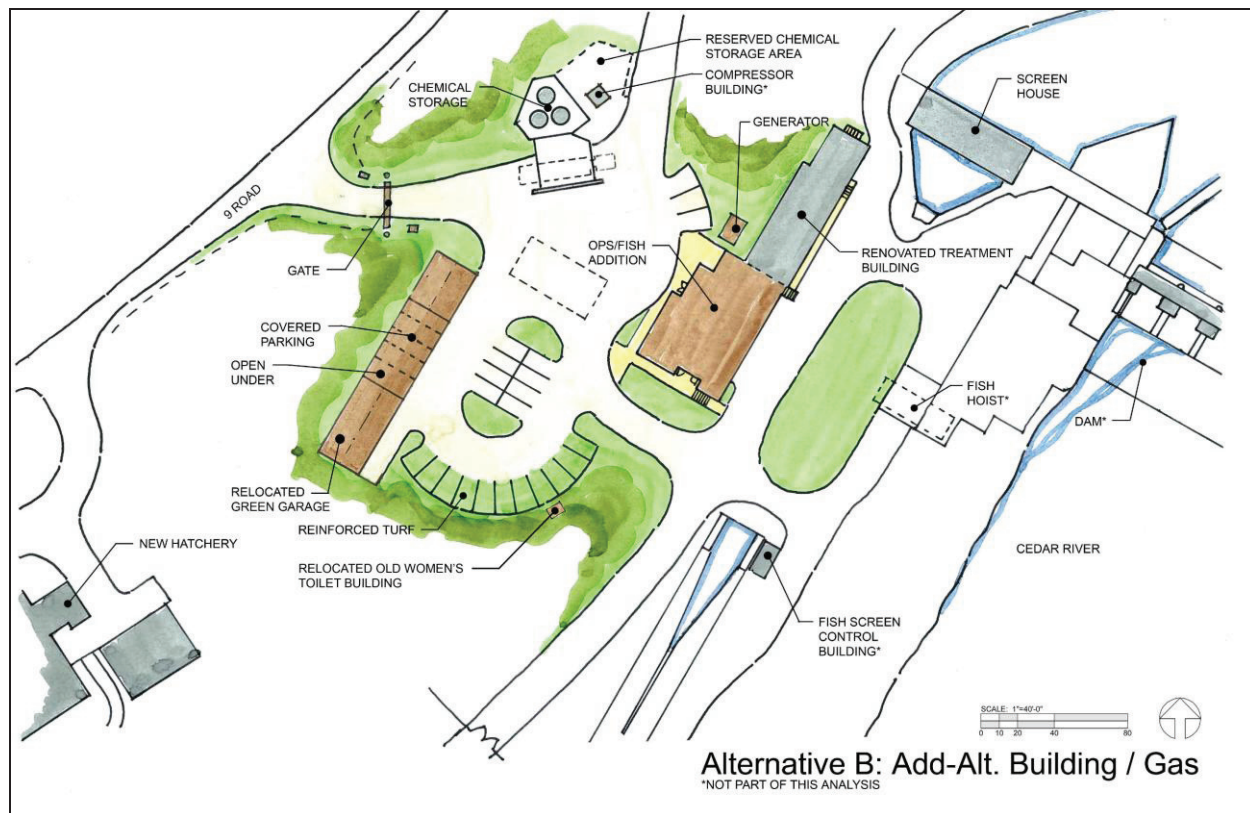


Figure 9-11. Revised Alternative B

This alternative consists of the following:

- Retain chemical storage facility platforms at both entry and treatment building
- Retain screen house—possible renovation, use roof for photovoltaic panels
- Relocate and expand green garage to provide additional storage and covered parking.
- Retain, renovate and expand treatment building
- Fish program and operations located in treatment building addition
- Structured formal parking lot
- Drive to dam located south of treatment building addition



## Variation Alternative A-1—New Consolidated Building



Figure 9-12. Variation - Alternative A-1

The project team explored the possibility of providing a full excavation under the proposed two-story ops/fish facility rather than the half excavation in Revised Alternative A. The additional at-grade floor space would be used for storage. This modification eliminates the need to retain the green garage and reduces site area covered by buildings. It consolidates storage into a single facility with operations and it locates storage close to the dam.

This alternative consists of the following:

- Retain chemical storage facility platforms at both entry and treatment building
- Retain screen house—possible renovation, use roof for photovoltaic panels
- Compact circulation and parking
- Remove green garage – provide storage in lower level of new consolidated facility.
- Add new two-story consolidated facility for fish program, operations, storage and covered parking
- New ops/fish facility located immediately adjacent to treatment building
- Storage and covered parking located under new ops/fish facility
- Drive to dam located south of new ops/fish facility.